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		Art Unit	1712	
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	Karen B. Tripp, Attorney a	Law		
Signature	Karen B.	Jusi		
Printed name	Karen B. Tripp	00		
Date	May 15, 2006		Reg. No.	30,452
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PTO/SB/17 (01-06) MAY 1 6 2008 Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE ct of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number Complete if Known Fees pursually and solidated Appropriations Act, 2005 (H.R. 4818). Application Number 10/656,684 FFF TRANSMITTAL

		Filing Date	September 5, 2003
For FY 2	006	First Named Inventor	Jeff Miller
Applicant claims small entity status	n Soo 27 CED 1 27	Examiner Name	Philip C. Tucker
Applicant claims small entity status	S. See 37 CFR 1.27	Art Unit	1712
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SUBMITTED BY	,		
Signature	Kan B. Juni	Registration No. (Attorney/Agent) 30,452	Telephone 713 658 9323
Name (Print/Type)	Karen B. Tripp		Date May 16, 2006

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eduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO **Application Number** 10/656,684 INFORMATION DISCLOSURE Filing Date September 5, 2003 STATEMENT BY APPLICANT **First Named Inventor** Jeff Miller Art Unit 1712 (Use as many sheets as necessary) **Examiner Name** PHILIP C. TUCKER Attorney Docket Number Sheet HALB:045

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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	LA	Baroid Drilling Fluids, Inc. brochure entitled "PETROFREE ™ The Biodegradable Solution for High-Performance Drilling," (1998) 8 pages	
	LB	A. Samuels, "H2S Need Not Be Deadly, Dangerous, Destructive," Soc. Petroleum Engineers, SPE 5202, (1974)	
	LC	R.K. Clark, et al., "Polyacrylamide/Potassium-Chloride Mud for Drilling Water-Sensitive Shales," J Petroleum Tech. 719-729 SPE 5514 (June 1976)	
	LD	J.E. Friedheim, et al, "An Environmentally Superior Replacement for Mineral-Oil Drilling Fluids," 299-312, SPE 23062 (Sept 3-6, 1991)	
	LE	J.H. Rushing, et al., "Bioaccumulation from Mineral Oil-Wet and Synthetic Liquid-Wet Cuttings in an Estuarine Fish," 311-320, SPE 23350 (Nov. 10-14, 1991)	
	LF	F.V. Jones, et al, "The Chronic Toxicity of Mineral Oil-Wet and Synthetic Liquid-Wet Cuttings on an Estuarine Fish, Fundulus grandis," 721-730, SPE 23497 (Nov. 10-13, 1991)	
	LG	J.E. Friedheim, et al., "Superior Performance with Minimal Environmental Impact: A Novel Nonaqueous Drilling Fluid," 713-726, SPE 25753 (Feb. 23-25, 1993)	
	LH	S. Park, et al., "The Success of Synthetic-Based Drilling Fluids Offshore Gulf of Mexico: A Field Comparison to Conventional Systems," 405-418, SPE 26354 (1993)	
	LI	M. Slater, "Commonly Used Biodegradation Techniques for Drilling Fluid Chemicals, Are They Appropriate," 387-397, SPE/IADC 29376 (1995)	
	LI	J. Candler, et al., "Seafloor Monitoring for Synthetic-Based Mud Discharged in the Western Gulf of Mexico," 51-69, SPE 29694 (1995)	

Examiner		Date	
Signature	· .	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO	Complete if Known		
0.0000000000000000000000000000000000000	Application Number	10/656,684	
INFORMATION DISCLOSURE	Filing Date	September 5, 2003	
STATEMENT BY APPLICANT	First Named Inventor	Jeff Miller	
(Use as many sheets as necessary)	Art Unit	1712	
(ose as many sheets as necessary)	Examiner Name	PHILIP C. TUCKER	
Sheet 2 of 9	Attorney Docket Number	HALB:045	

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	LL	J.E. Friedheim, et al, "Second Generation Synthetic Fluids in the North Sea: Are They Better?", 215-226, IADC/SPE 350061 (1996)	9
	LM	M.A. Legendre Zevallos, et al., "Synthetic-Based Fluids Enhance Environmental and Drilling Performance in Deepwater Locations," 235-242, SPE 35329 (1996)	
	LN	E.A. Vik, et al, "Factors Affecting Methods for Biodegradation Testing of Drilling Fluids for Marine Discharge," 697-711, SPE 35981 (1996)	
	LO	L. Bailey, et al., "Filtercake Integrity and Reservoir Damage," 111-120, SPE 39429, (1998)	
	LP	P.A. Bern, et al., "Barite Sag: Measurement, Modeling and Management," IADC/SPE 47784 (9 pages) (1998)	
	LQ	N. Hands, et al., "Optimising Inflow Performance of a Long Multi-Lateral Offshore Well in Low Permeability Gas Bearing Sandstone: K14-FB 102 Case Study," SPE 50394 (1998) 14	
	LR	L. Xiao, et al., "Studies on the Damage Induced by Drilling Fluids in Limestone Cores," SPE 50711 (17 pages) (1999)	
	LS	A. Meinhold, "Framework for a Comparative Environmental Assessment of Drilling Fluids Used Offshore," SPE 52746 (10 pages) (1999)	
	LT	L.J. Fraser, et al., "Formation-Damaging Characteristics of Mixed Metal Hydroxide Drill-In Fluids and a Comparison with Polymer-Base Fluids," SPE 57714 (1999)	
	LU	P.A. Bern, et al, "Barite Sag: Measurement, Modeling, and Management," SPE 62051, SPE Drill. & Completion 15(1) 25-30 (March 2000)	

Examiner	Date	
Signature	Considered	

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¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	Jeff Miller	
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	LV	A. Saasen, et al, "Prediction of Barite Sag Potential of Drilling Fluids from Rheological Measurements," SPE/IADC 29410 (Feb 26-Mar 2, 1995)	
	LW	P.I. Reid, et al, "Field Evaluation of a Novel Inhibitive Water-Based Drilling Fluid for Tertiary Shales," SPE 24979 (Nov. 16-18, 1992)	
	LX	W. Hite, et al, "Better Practices and Synthetic Fluid Improve Drilling Rates, Oil & Gas J. Online (Feb. 20, 1995)	
	LY	N. Hands, et al, "Drill-in Fluid Reduces Formation Damage, Increases Production Rates," Oil & Gas J. Online (1998)	
i	LZ	J.P. Plank, "Water-Based Muds Using Synthetic Polymers Developed for High Temperature Drilling," Oil & Gas J. Online (1992)	
	MA	Brookfield Instruction Manual for SSV Vane Standard Spindle Set	
	МВ	Brookfield Press Release on Vane Spindles (March 12, 2002), ThomasNet Product News Room	
	мс	EPA Development Document for Proposed Effluent Limitations Guidelines for Standards for Synthetic-Based Drilling Fluid and Other Non-Aqueous Drilling Fluids (Feb. 1999)	
	MD	Environmental Impacts of Synthetic Based Drilling Fluids, U.S. Dept of the Interior, Minerals Management Service, August 2000	
	ME	EPA Environmental Assessment of Proposed Effluent Limitations Guidelines for Synthetic-Based Drilling Fluids and Other Non-Aqueous Drilling Fluids (Feb. 1999)	

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Signature	Considered	

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INFORMATION DISCLOSURE	Filing Date	September 5, 2003	
STATEMENT BY APPLICANT	First Named Inventor	Jeff Miller	
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Sheet 4 of 9	Attorney Docket Number	HALB:045	

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	MF	"Horizontal Wells Offer Economic Advantage," Horizontal News, Fall 1996	
	MG	A. Saasen, et al, "Monitoring of Barite Sag Important in Deviated Drilling," Oil & Gas J. Online (1991)	
	мн	Novadril (TM) System, MI Technology Report (1993)	
	МІ	G. Robinson et al, "Novel Viscometer for Improved Drilling Fluid Characterization, Baker Hughes INTEQ (1996)	
	MJ	N.J. Alderman, et al, "Vane Rheometry of Bentonite Gels," 39 J. Non-Newtonian Fluid Mechanics 291-310 (1991)	
	мк	API Recommended Practice Standard Procedure for Field Testing Oil-Based Drilling Fluids, API Rec. Prac. 13B2, 3rd. ed. (Feb. 1998) American Petroleum Institute	
	ML	Depostion Transcript of David Carbajal, co-inventor of US 6,887,832, in Civil Action 6:05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, (Jan. 12, 2006)	
	мм	Deposition Transcript of Kimberly Burrows, co-inventor of US 6,887,832 in Civil Action 6:05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, (Oct. 26, 2005)	
	MN	Deposition Transcript of Don Siems, co-inventor of US 6,887,832 in Civil Action 6:05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, (Dec. 12, 2005)	
	мо	Deposition Transcript of Jeff Kirsner, co-inventor of US 6,887,832 in Civil Action 6:05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, (Feb. 15, 2006)	

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Sheet	5	of	9	Attorney Docket Number	HALB:045

		NON PATENT LITERATURE DOCUMENTS	
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	MP	Deposition Transcript of Karen Tripp, patent prosecuting attorney for US 6,887,832, CV 6:05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, (Jan 26, 2006)	
	MQ	First Amended Complaint, Civil Action No. 6:05CV155, U.S. Dist. Court, Eastern Dist. of Texas, Tyler Div., Halliburton Energy Services, Inc. v. M-I, LLC., filed1/27/1006	
	MR	M-I, LLC's 2nd Amended Answer, Affirmative Defenses, and Counterclaims, Civil Action No. 6:05CV155, U.S. Dist. Court, Eastern Dist. of Texas, Tyler Div., filed 2/10/2006	
	MS	Plaintiff's Preliminary Infringement Contentions, Civil Action No. 6:05CV155, U.S. Dist. Court, Eastern Dist. of Texas, Halliburton Energy Services, Inc. v. M-I LLC, 9/16/2005	
	МТ	M-I, LLC's Preliminary Invalidity Contentions, CA No. 6:05CV155, U.S. Dist. Court, Eastern Dist. of Texas, Halliburton Energy Services, Inc. v. M-I, LLC, 10/28/2005	
	MU	K. Burrows, et al., "New Low Viscosity Ester is Suitable for Drilling Fluids in Deepwater Applications," SPE 66553, Feb. 2001 (14 pages)	
	MV	L.F. Nicora, "High-Density Invert-Emulsion System with Very Low Solids Content to Drill ERD and HPHT Wells," SPE 65000, Feb. 2001 (17 pages)	
	MW	D. Eckhout, et al., "Development Process and Field Applications of a New Ester-based Mud System for ERD Wells on Australia's Northwest Shelf," IADC/SPE 62791 (Sept. 2002)	
	MX	M. Mas, et al, "A New High-Temperature Oil-Based Drilling Fluid," SPE 53941, Venezuela April 1999 (14 pages)	
	MY	C. Cameron, et al, "Drilling Fluids Design and Management for Extended Reach Drilling," IADC/SPE 72290, Oct. 2001 (7 pages)	

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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	MZ	L. Knox, et al, "New Developments in Ester-based Mud Technology," AADE-02-DFWM-HO-41, April 2002 (9 pages)	
	NA	L.J. Fraser, "Field Application of the All-Oil Drilling Fluid," IADC/SPE 19955, Feb. 27-Mar. 2, 1990)	
- · · · · · · · · · · · · · · · · · · ·	NB	Halliburton's Proposed Terms and Claim Elements for Construction, CV 6.05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, 11/21/2005	
	NC	Defendant M-I, L.L.C.'s List of Disputed Claim Terms, Civil Action No. 6:05CV155, U.S. Dist. Court, (E.D. TX), Halliburton Energy Services, Inc. v. M-I LLC, 11/21/2005	
	ND	Plaintiff's Preliminary Claim Constructions Pursuant to Local Patent Rule 4-2, CV 6.05CV155, US Dist. Ct. (E.D. TX), Halliburton Energy Serv. v. M-I, LLC, 12/23/2005	
	NE	Defendant M-I, LLC's Preliminary Claim Construction and Identification of Extrinsic Evidence for U.S. Patent No. 6,887,832, CV 6.05CV155, US Dist. Ct. (E.D. TX),12/23/2005	
	NF	Joint Claim Construction and Prehearing Statement Pursuant to P.R. 4-3, CV 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Serv. v. M-I, LLC 1/20/2006	
	NG	Defendant M-I, LLC's Motion for Summary Judgment of Invalidity with Respect to U.S. Patent No. 6,887,832	
	NH	M-I LLC's Motion for Leave to Add Inequitable Conduct Defense to its Pleadings, CV 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Serv. v. M-I, LLC, 1/26/2006	
	NI	Plaintiff's Initial Disclosures, Civil Action 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Services, Inc. v. M-I, LLC, 9/16/2005	

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Signature	Considered	-

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Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

HALB:045

PTO/SB/08B (07-05)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO **Application Number** 10/656,684 Filing Date INFORMATION DISCLOSURE September 5, 2003 STATEMENT BY APPLICANT **First Named Inventor** Jeff Miller Art Unit 1712 (Use as many sheets as necessary) **Examiner Name** PHILIP C. TUCKER Attorney Docket Number

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	NJ	Plaintiff's Initial Disclosures, Civil Action 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Services, Inc. v. M-I, LLC, 9/16/2005	
	NK	Defendant M-I, LLC's Initial Disclosures, Civil Action 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Services, Inc. v. M-I, LLC, 8/19/2005	
	NL	Plaintiff Halliburton's Objections and Responses to Defendant M-I LLC's First Set of Requests for Production, Civil Action 6.05CV155, Halliburton v. MI, 8/26/2005	
	NM	Plaintiff Halliburton's Objections and Responses to Defendant M-I LLC's First Set of Interrogatories, Civil Action 6.05CV155, Halliburton v. MI, 8/26/2005	
	NN	Plaintiff Halliburton's Supplemental Responses and Objections to Defendant M-I LLC's First Set of Interrogatories, Civil Action 6.05CV155, Halliburton v. MI, 10/25/2005	
	NO	M-I, LLC's Responses to Plaintiff's First Set of Interrogatories to Defendant (Nos. 1-21), Civil Action 6.05CV155, US Dist. Ct. (ED TX), Halliburton v. MI, 11/16/2005	
	NP	Halliburton's Opening Brief on Claim Construction, Civil Action 6.05CV155, US Dist. Ct. (ED TX), Halliburton Energy Services, Inc. v. M-I, LLC, 3/17/2006	
	NQ	Halliburton's Unopposed Motion for Leave to Exceed Page Limit for its Markman Brief, CV 6.05CV155, US Dist. Ct., Halliburton Energy Services, Inc. v. M-I, LLC, 3/17/2006	
	NR	Defendant M-I, LLC's Reply in Support of its Motion for Summary Judgment of Invalidity with Respect to U.S. Patent No. 6,887,832 with exhibits	
	NS	M-I, LLC's Responsive Brief on the Construction of the Asserted Claims of U.S. Patent No. 6,887,832 with exhibits	

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Substitute for form 1449/PTO		Complete if Known
	Application Number	10/656,684
INFORMATION DISCLOSURE	Filing Date	September 5, 2003
STATEMENT BY APPLICANT	First Named Inventor	Jeff Miller
(Use as many sheets as necessary)	Art Unit	1712
(Good an Many Shoots as Necessary)	Examiner Name	PHILIP C. TUCKER
Sheet 8 of 9	Attorney Docket Number	HALB:045

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	NT	Halliburton's Unopposed Motion for Leave to Exceed Page Limit for its Surreply in Opposition to M-I's Motion for Summary Judgment of Invalidity with the Surreply and other exh	
	NU	Halliburton's Unopposed Motion for Leave to Exceed Page Limit for Reply Brief on Claim Construction with the Reply Brief and other exhibits	
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(Use as many sheets as necessary)	Examiner Name	PHILIP C. TUCKER	

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Attorney Docket Number HALB:045

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	NV	US- 6,289,989	09-18-2001	Heinz Mueller		
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	Country Code ^{3 -} Number ^{4 -} Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ [¢]
NW	CA 2 088 697	02/20/1992	Heinż Mueller et al		
NX	WO 95 26386	10/05/1995	Wilkinson et al		
NY	WO 96 22342	07/25/1996	M. Ellice et alBAROID		
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	No. ¹ NW NX	No. 1 Country Code 3 - Number 4 - Kind Code 5 (if known) NW CA 2 088 697 NX WO 95 26386	No.¹ Date MM-DD-YYYY Country Code³ "Number ⁴ "Kind Code⁵ (if known) 02/20/1992 NX WO 95 26386 10/05/1995	No.¹ Date MM-DD-YYYY Applicant of Cited Document NW CA 2 088 697 02/20/1992 Heinz Mueller et al NX WO 95 26386 10/05/1995 Wilkinson et al	No.¹ Date MM-DD-YYYY Applicant of Cited Document Where Relevant Passages Or Relevant Figures Appear NW CA 2 088 697 02/20/1992 Heinz Mueller et al NX WO 95 26386 10/05/1995 Wilkinson et al

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